

FIG. 1

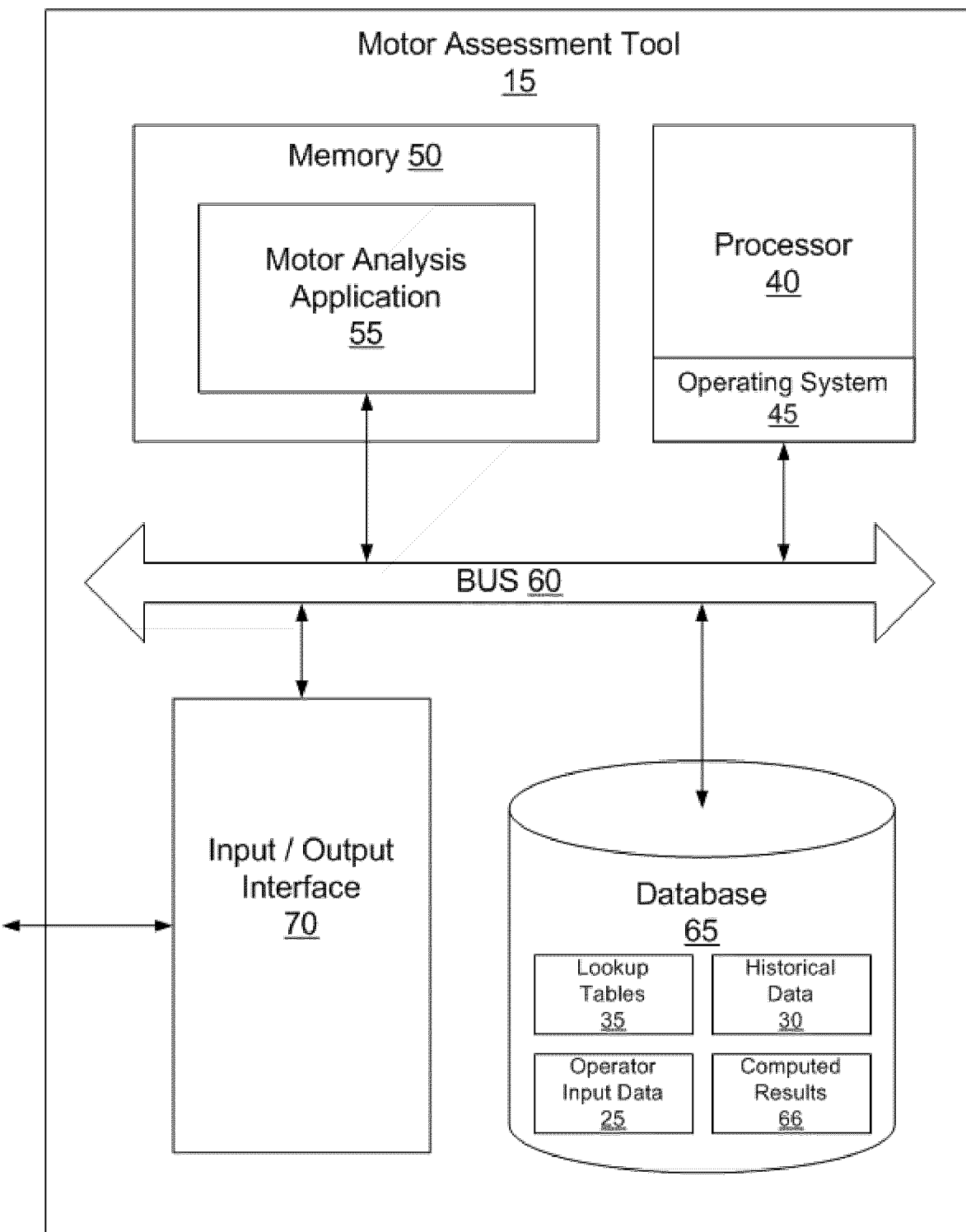


FIG. 2

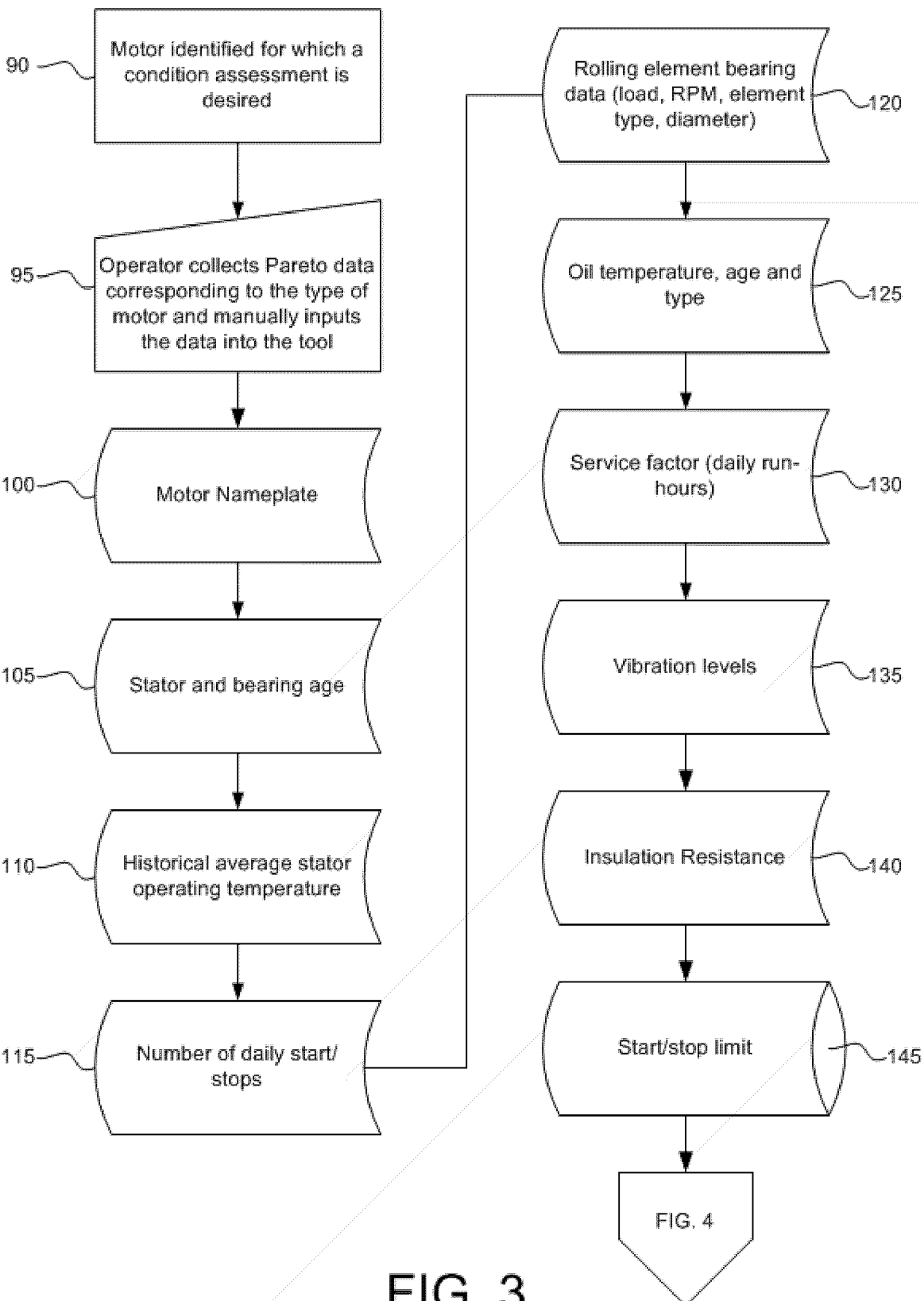
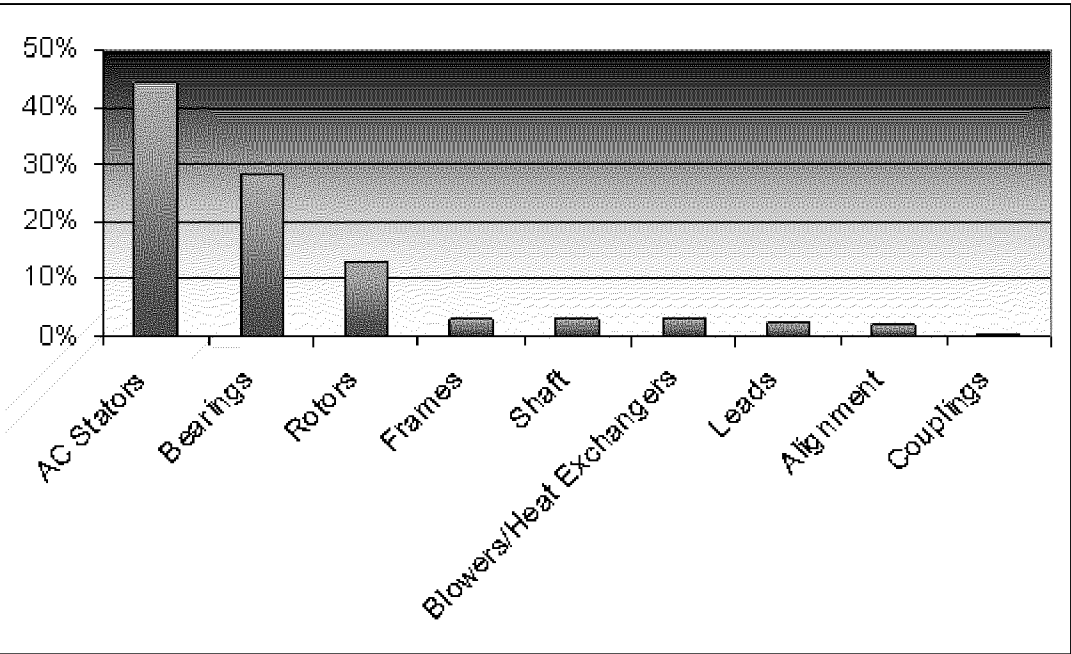


FIG. 3



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FIG. 4

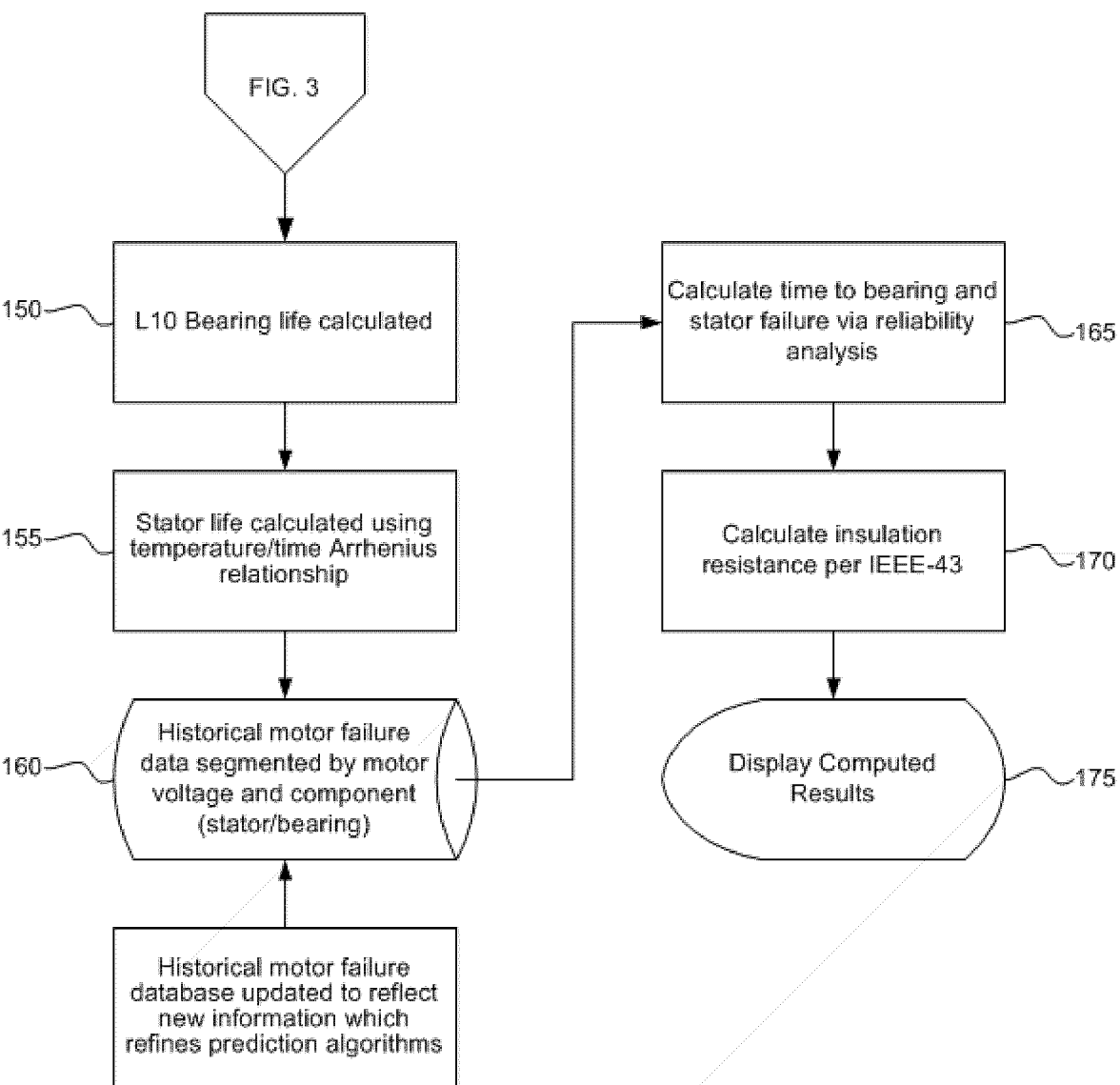
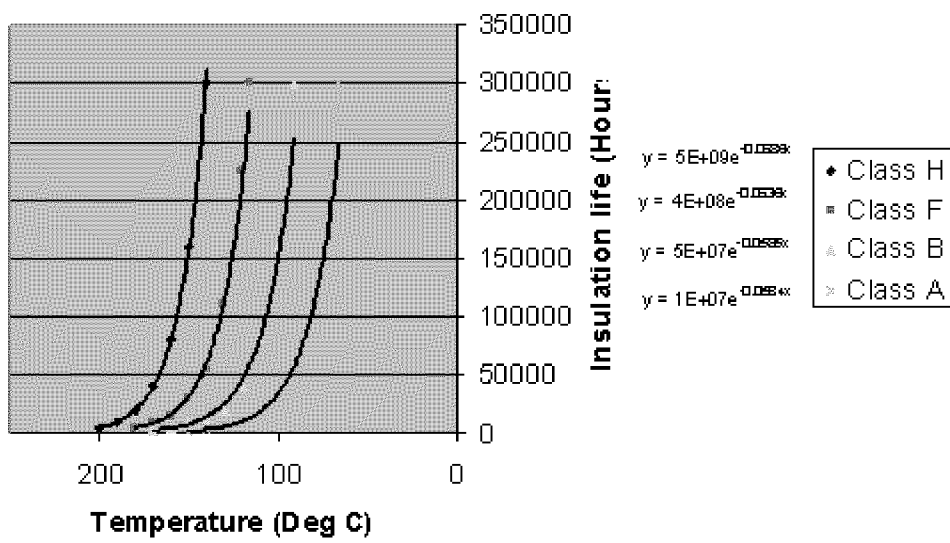
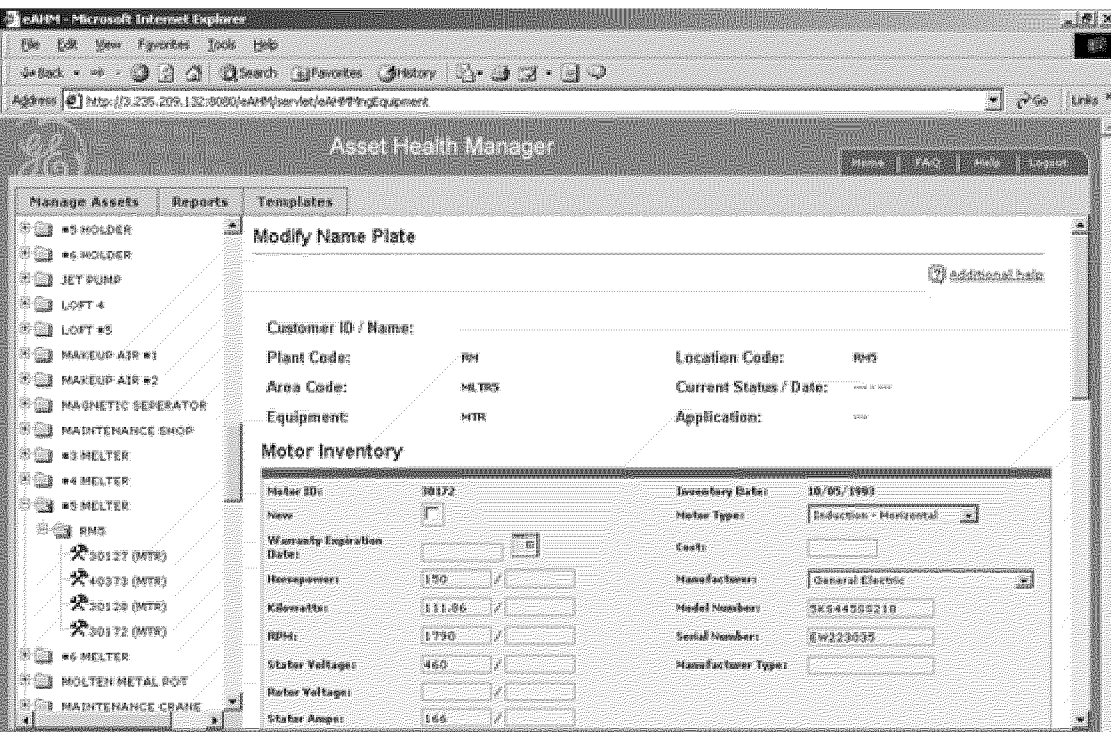


FIG. 5



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FIG. 6



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FIG. 7

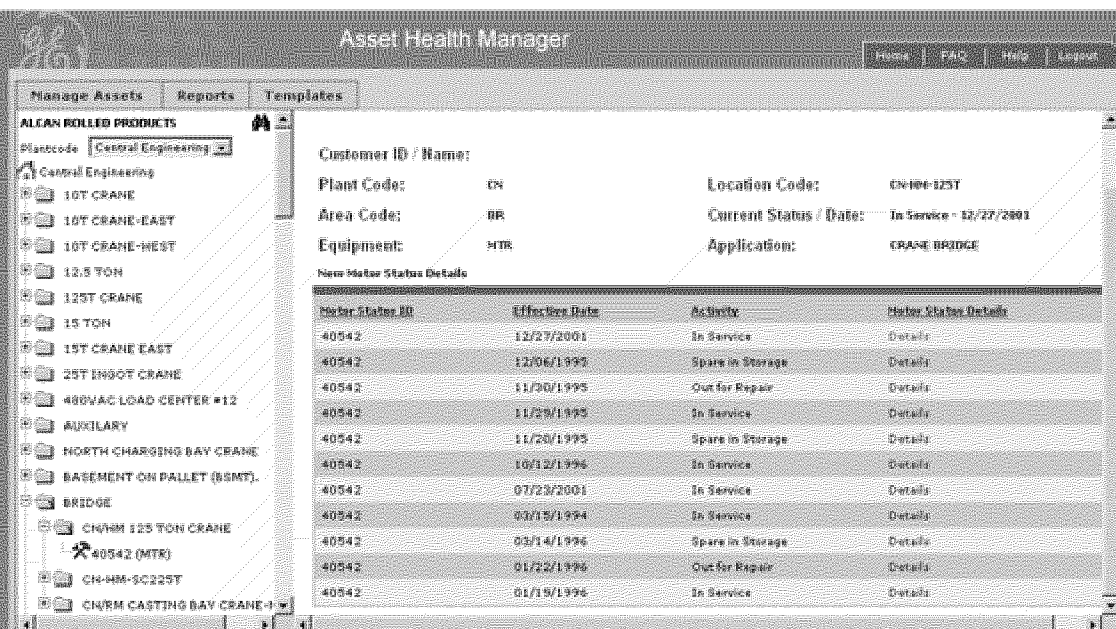


FIG. 8

Motor Snap Shot Tool For Estimating Residual Life of AC Motors

File Edit Graph Help

Motor Snap Shot Tool

Motor Nameplate Information

Customer: USS Horse Power: 450
 Manufacturer: General Dynamics RPM: 1187
 Model Number: unknown Serial Number: 6AA4800A1

Update Record
 Delete Record
 New Record

Bearing Data

Bearing Bore Dia (mm): 50.00 Radial Load (lbs): 500.00 Thrust Load (lbs): 200.00
 Bearing Type: Ball Single Row (200 series)

Estimate the Age of Critical Components (In Days)

Age of Bearings: 600 Oil Temperature (Deg C): 80.00
 Age of Stator: 2000 Estimate historical avg. stator temperature (Deg C): 110.00
 Age of Rotor: 2000 Oil Type: Uninhibited

Insulation Winding Parameters

Insulation Class: F Motor Voltage (V): 23000
 Insulation Resistance (MegaOhms): 2000.0
 Insulation Resistance Test Temp (C): 40.00

Times motor has been rewound: 1
 Estimated # of daily start/stops: 1.00
 Service Factor: 1.00
 Vibration (Gs): 0.80
 Overall: 0.80

Compute

Computed Results

Estimated Remaining Stator Life (in yrs): 36.11674547
 Estimated Remaining Bearing Design Life, if rolling element bearings are present (in days): 990.7808083
 Insulation Resistance at 40C (Min is 100 for AC/Sync or 5 for random wound): 200
 Days until Oil Breakdown (measured from date of last oil change): 218.2576
 Days until start/stop limit: 148000
 Estimated Time until bearing repair (days): 1250.201
 Estimated Time until stator repair (days): 1355.761

FIG. 9